

01/26/01  
1997 U.S. PTO  
1997 U.S. PTO

01-29-01

PTO/SB/05 (11-00)

Valid for use through 10/31/2002. OMB Q651-0032.  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

A

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UTILITY  
PATENT APPLICATION  
TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 47508.701

First Inventor Agrawal

Title Modulation of Oligonucleotides CpG . . .

Express Mail Label No. EL521665075US

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1.  Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2.  Applicant claims small entity status.  
See 37 CFR 1.27.
3.  Specification [Total Pages 43]  
(preferred arrangement set forth below)
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4.  Drawing(s) (35 U.S.C. 113) [ Total Sheets 3 ]
5. Oath or Declaration [ Total Pages ]  
 a.  Newly executed (original or copy)  
 b.  Copy from a prior application (37 CFR 1.63 (d))  
 (for continuation/divisional with Box 18 completed)
  - i.  DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6.  Application Data Sheet. See 37 CFR 1.76

ADDRESS TO: Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

7.  CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - a.  Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i.  CD-ROM or CD-R (2 copies); or
    - ii.  paper
  - c.  Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9.  Assignment Papers (cover sheet & document(s))
10.  37 CFR 3.73(b) Statement  Power of Attorney (when there is an assignee)
11.  English Translation Document (if applicable)
12.  Information Disclosure Statement (IDS)/PTO-1449  Copies of IDS Citations
13.  Preliminary Amendment
14.  Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15.  Certified Copy of Priority Document(s) (if foreign priority is claimed)
16.  Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17.  Other: .....

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation  Divisional  Continuation-in-part (CIP)

of prior application No. /

Prior application information:

Examiner \_\_\_\_\_

Group Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

<input checked="" type="checkbox"/> Customer Number or Bar Code Label	 (Insert Customer Number or Bar Code Label here)			<input type="checkbox"/> or <input type="checkbox"/> Correspondence address below
Name	23483			
PATENT TRADEMARK OFFICE				
Address				
City	State		Zip Code	
Country	Telephone		Fax	
Name (Print/Type)	Nancy Chiu, Ph.D.			Registration No. (Attorney/Agent) 43,545
Signature	Ng hi			Date January 26 2001

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10/26/01  
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FEE TRANSMITTAL  
for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$ 1195)

## Complete if Known

Application Number	TBA
Filing Date	26 January 2001
First Named Inventor	Sudhir Agrawal
Examiner Name	TBA
Group Art Unit	TBA
Attorney Docket No.	47508-701

## METHOD OF PAYMENT

1.  The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number **08-0219**  
Deposit Account Name **Hale and Dorr LLP**

Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17  
 Applicant claims small entity status. See 37 CFR 1.27

2.  Payment Enclosed:

Check  Credit card  Money Order  Other

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
101	710	201	355	Utility filing fee	<b>355</b>
106	320	206	160	Design filing fee	
107	490	207	245	Plant filing fee	
108	710	208	355	Reissue filing fee	
114	150	214	75	Provisional filing fee	

SUBTOTAL (1) (\$ 355)

## 2. EXTRA CLAIM FEES

	Extra Claims	Fee from below	Fee Paid
Total Claims	<b>60</b>	-20** = <b>40</b>	<b>40</b> X <b>9</b> = <b>360</b>
Independent Claims	<b>15</b>	- 3** = <b>12</b>	<b>12</b> X <b>40</b> = <b>480</b>
Multiple Dependent		<b>0</b>	<b>0</b> = <b>0</b>

## Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description
103	18	203
102	80	202
104	270	204
109	80	209
110	18	210
		9
		Claims in excess of 20
		Independent claims in excess of 3.
		Multiple dependent claim, if not paid
		** Reissue independent claims over original patent
		** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ 840)

\*\*or number previously paid, if greater; For Reissues, see above

## 3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for ex parte reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	390	216	195	Extension for reply within second month	
117	890	217	445	Extension for reply within third month	
118	1,390	218	695	Extension for reply within fourth month	
128	1,890	228	945	Extension for reply within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,240	241	620	Petition to revive - unintentional	
142	1,240	242	620	Utility issue fee (or reissue)	
143	440	243	220	Design issue fee	
144	600	244	300	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	710	246	355	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	710	249	355	For each additional invention to be examined (37 CFR § 1.129(b))	
179	710	279	355	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	
				Other fee (specify) _____	

\*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$ 0)

## SUBMITTED BY

Complete if applicable

Name (Print/Type)	Nancy Chiu, Ph.D.	Registration No. (Attorney/Agent)	43,545	Telephone	617-526-6048
Signature	Nancy Chiu, Ph.D.			Date	

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**NEW UTILITY APPLICATION FOR  
UNITED STATES PATENT  
Pursuant to 37 C.F.R. § 1.53(b)**

IN THE  
UNITED STATES PATENT AND TRADEMARK OFFICE

(Attorney Docket No. 47508.701)

TUE 26 FEB 2002 2:50 PM

**Title:**

Modulation of Oligonucleotide CpG-mediated Immune Stimulation by  
Positional Modification of Nucleosides

**Inventor:**

Sudhir Agrawal

**CERTIFICATE OF MAILING (37 C.F.R. § 1.10)**

I hereby certify that this correspondence is being deposited with the United States Postal Service as "Express Mail Post Office to Addressee" Service under 37 CFR 1.110 on January 26, 2001 and is addressed to: Commissioner for Patents, Washington, D.C. 20231

EL521665075US  
"Express Mail Label No."

By:   
Jo-Ann Bergantino